# 元智大學「人工智慧探索應用」深耕跨域學程 科目規劃表

Yuan Ze University

"Applied Artificial Intelligence Exploration" Advanced Cross-Domain Program

Course Planning Table

（115 學年度申請適用）

(For students applied in Academic Year 2026)

115.8.25 一一五學年度第一次教務會議通過

Passed by the 1st Academic Affairs Meeting, Academic Year 2026, on August 25, 2026

## 一、教學目標 Teaching Objectives：

本學程主要提供**人文社會學院、管理學院及醫護學院**之大學部學生修習，旨在培養學生具備人工智慧基礎素養、跨領域應用能力及負責任使用人工智慧的觀念。課程由基礎素養、專業領域應用及終端實作三個階段組成，引導學生理解人工智慧與生成式人工智慧的基本概念，運用相關工具處理所屬專業領域的問題，並評估人工智慧應用所涉及的倫理、隱私、偏誤及社會影響。學生最終將透過終端實作課程，完成符合真實情境需求的人工智慧應用成果，培養問題分析、協作溝通及創新實踐能力。

This program is designed primarily for undergraduate students in **the College of Humanities and Social Sciences, the College of Management, and the College of Medicine and Nursing**. It aims to develop foundational AI literacy, interdisciplinary application skills, and an understanding of the responsible use of artificial intelligence. The curriculum consists of three stages: foundational competency, professional domain applications, and terminal practice. Students will learn the fundamental concepts of artificial intelligence and generative AI, apply relevant tools to problems in their respective disciplines, and evaluate the ethical, privacy, bias, and societal issues associated with AI applications. Through the Terminal Practice course, students will develop practical AI applications that address real-world needs while strengthening their abilities in problem analysis, collaborative communication, and innovative practice.

## 二、課程設計 Curriculum Design：

### (一) 基礎素養必修課程

### Required Courses — Foundational Competency

須修習所屬學系（組、班）開設之人**文社會學院、管理學院或醫護學院**各院必修「AI程式設計」共4學分，實際課程名稱請詳見「各系必選修科目表」。

Students are required to complete the 4-credit “Fundamentals of AI Programming” course required by their respective college— **the College of Humanities and Social Sciences, the College of Management, or the College of Medicine and Nursing**. The actual course title should be referred to the “Required and Elective Course List of Each Department.”

**(二) 專業領域選修課程 (以下13門課擇至少2門修習)**

**Elective Courses — Professional Domain: Choose at least two of the following thirteen courses**

| 課群名稱 Course Group Name | 課號 Course ID | 課程名稱 Course Name | 學分 Credit(s) | 學制 Academic Level | 開課系所 Offering Unit |
|---|---|---|---|---|---|
| 人工智慧應用 AI Applications | CC001 | 生成式AI創意應用 Generative AI and Creative Applications | 2 | 大學部 Undergraduate | 中國語文學系 Department of Chinese Linguistics and Literature |
| | FL163 | AI輔助日本語會話與溝通 AI-Enhanced Japanese Speaking and Communication | 2 | 大學部 Undergraduate | 應用外語學系 Department of Foreign Languages and Applied Linguistics |
| | CM271 | AI創新實踐與應用 AI Innovation Practice and Application | 3 | 大學部 Undergraduate | 管理學院學士班 Bachelor of Business Administration Program, College of Management |
| | CM282 | 生成式人工智慧應用 Generative AI application | 3 | 大學部 Undergraduate | 管理學院學士班 Bachelor of Business Administration Program, College of Management |
| | CM391 | 金融科技創新 Financial Technology Innovation | 3 | 大學部 Undergraduate | 管理學院學士班 Bachelor of Business Administration Program, College of Management |
| | SN030 | 臨床照護之AI應用 AI Applications in Clinical Care | 3 | 大學部 Undergraduate | 護理學系 School of Nursing |
| 機率 Probability | CM201 | 統計學(上) Statistics(I) | 3 | 大學部 Undergraduate | 管理學院學士班 Bachelor of Business Administration Program, College of Management |
| | CM202 | 統計學(下) Statistics(II) | 3 | 大學部 Undergraduate | 管理學院學士班 Bachelor of Business Administration Program, College of Management |

| 課群名稱<br>Course Group Name | 課號<br>Course ID | 課程名稱<br>Course Name | 學分<br>Credit(s) | 學制<br>Academic Level | 開課系所<br>Offering Unit |
|---|---|---|---|---|---|
| | AI001 | 機率與統計<br>Probability and Statistics | 3 | 大學部<br>Undergraduate | AI聯盟<br>TAICA |
| 人工智慧導論/生成式人工智慧導論<br>Introduction to Artificial Intelligence/ Introduction to Generative Artificial Intelligence | SC132/ IH112 | 大數據與政策分析應用基礎<br>Big Data and Policy Analysis Application Basic | 3 | 大學部<br>Undergraduate | 社會暨政策科學學系/人文社會學院英語學士班<br>Department of Social and Policy Sciences/ International Bachelor Program in Strategic Communication, College of Humanities and Social Sciences |
| | AI004 | 人工智慧導論<br>Introduction to Artificial Intelligence | 3 | 大學部<br>Undergraduate | AI聯盟<br>TAICA |
| | AI501 | 生成式AI的人文導論<br>Introducing Generative AI for Humanities | 3 | 大學部/研究所<br>Undergraduate / Graduate | AI聯盟<br>TAICA |
| | AI502 | 生成式 AI：文字與圖像生成的原理與實務<br>Generative AI: Text and Image Synthesis Principles and Practice | 3 | 大學部/研究所<br>Undergraduate / Graduate | AI聯盟<br>TAICA |

**(三) 終端實作必修課程 (以下4門課擇1門修習)**

**Required Courses — Terminal Practice: Choose one of the following four courses**

| 課號<br>Course ID | 課程名稱<br>Course Name | 學分<br>Credit(s) | 學制<br>Academic Level | 開課系所<br>Offering Unit | 備註<br>Remarks |
|---|---|---|---|---|---|
| AD441 | 互動科技裝置：概論與程式<br>Interactive Media Installation: Basic & Program | 3 | 大學部<br>Undergraduate | 藝術與設計學系<br>Department of Art and Design | |
| SC249 | 大數據與政策分析應用進階<br>Big Data and Policy Analysis Advanced | 3 | 大學部<br>Undergraduate | 社會暨政策科學學系<br>Department of Social and Policy Sciences | |

| 課號<br>Course ID | 課程名稱<br>Course Name | 學分<br>Credit(s) | 學制<br>Academic Level | 開課系所<br>Offering Unit | 備註<br>Remarks |
|---|---|---|---|---|---|
| CM486 | 金融科技創客<br>FinTech Maker | 3 | 大學部<br>Undergraduate | 管理學院學士班<br>Bachelor of Business Administration Program, College of Management | |
| SN027 | 生成式AI與遠距醫療輔助臨床照護<br>Generative AI and Telemedicine-Assisted Clinical Care | 2 | 大學部<br>Undergraduate | 護理學系<br>School of Nursing | |

**三、學程證書授予標準 Certificate Award Criteria：**

1、 在第二階段之專業領域選修課程中，學生須至少修習一門非所屬學系（組、班）開設之科目。 In the second-stage Professional Domain Electives, students must complete at least one course offered outside their own department, program, or class.

2、 修讀本學程之學生須修畢至少12學分，包含基礎素養必修課程2門、專業領域選修課程至少2門、終端實作必修課程1門，即授予學程證書。 Students enrolled in this program must complete at least 12 credits, including two required courses in Foundational Competency, at least two elective courses in the Professional Domain, and one required course in Terminal Practice, to be awarded the program certificate.

3、 為避免影響畢業時程，不建議學生於大四下學期始修習終端實作必修課程。 Students are advised not to enroll in a Terminal Practice course for the first time during the second semester of their senior year, in order to avoid conflicts with their graduation schedule.

**四、領域別 Fields of Study：**人工智慧 Artificial Intelligence

**五、學程主責教師 Program Director：**中語系/黃智明教授 Department of Chinese Linguistics and Literature/ Prof. Chih-ming Huang

**六、負責規劃單位 Responsible Planning Unit：**人工智慧學分學程委員會Artificial Intelligence Credit Program Committee